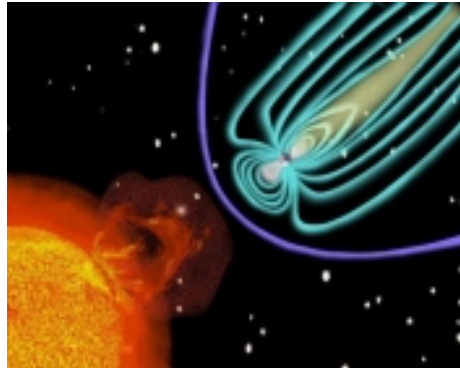


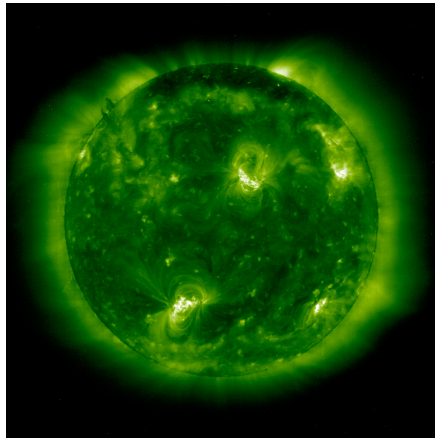
What Is the Weather On Our Sun?



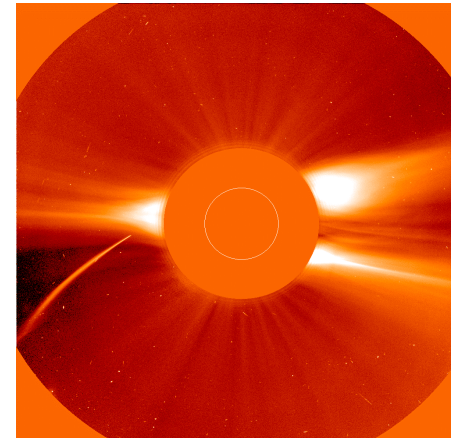
The Effects Of The Sun On Our Planet

SOHO is a mission of international cooperation between ESA and NASA. **EIT** is the Extreme-ultraviolet Imaging Telescope. The EIT instrument was developed by an international collaboration involving France, Belgium, and the United States. **LASCO** is the Large Angle Spectrometric Coronagraph. LASCO was developed by a collaboration of the Naval Research Laboratory Washington DC USA, Laboratoire d'Astronomie Spatiale Marseille France, Max Planck-Institut für Aeronomie Lindau Germany, and Space Research Group, University of Birmingham England.

These two displays show movies from the EIT and LASCO C2 and C3 instruments on the SOHO spacecraft. These images are received by NASA antennas in the Deep Space Network, ingested at the Jet Propulsion Laboratory, reformatted at Goddard Space Flight Center, and processed into movies at the Naval Research Laboratory. These movies are available at <http://lasco-www.nrl.navy.mil> and are automatically updated as new data is received to show the current state of the Sun and the solar corona.



The EIT image as shown above covers the solar disk and the low corona to a height of approximately $1.5 R_{\odot}$. These images were taken in the Fe XII emission line at a wavelength of 195 Angstroms. This line is formed at a temperature of about 1.6×10^6 K.



The LASCO C2 image shown above, covers the region from approximately 2.0 to $6.5 R_{\odot}$ with a resolution of $\sim 23''$ and a pixel size of $11.9''$. The images have had a background corona subtracted to make the coronal features more visible. This particular C2 image shows a small comet approaching the sun.



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